

# SEQUENCE LISTING

<110> Robert E. Klem

<120> METHODS AND COMPOSITIONS FOR TREATING A  
CELL-PROLIFERATIVE DISORDER USING CRE DECOY OLIGOMERS, BCL-2  
ANTISENSE OLIGOMERS, AND HYBRID OLIGOMERS THEREOF

<130> 10412-022-999

<140> To be assigned

<141> 2002-01-22

<150> 60/263,244

<151> 2001-01-22

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 Met Ala His Ala Gly Arg Thr Gly Tyr Asp Asn Arg Glu Ile Val Met  
 1 5 10 15

|                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |     |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----|
| aag<br>Lys        | tac<br>Tyr        | atc<br>Ile        | cat<br>His<br>20  | tat<br>Tyr        | aag<br>Lys        | ctg<br>Leu        | tcg<br>Ser        | cag<br>Gln<br>25  | agg<br>Arg        | ggc<br>Gly        | tac<br>Tyr        | gag<br>Glu        | tgg<br>Trp<br>30  | gat<br>Asp        | gcg<br>Ala        | 96  |
| gga<br>Gly        | gat<br>Asp        | gtg<br>Val<br>35  | ggc<br>Gly        | gcc<br>Ala        | gcg<br>Ala        | ccc<br>Pro        | ccg<br>Pro<br>40  | ggg<br>Gly        | gcc<br>Ala        | ggc<br>Ala        | ccc<br>Pro        | gca<br>Ala<br>45  | ccg<br>Pro        | ggc<br>Gly        | atc<br>Ile        | 144 |
| ttc<br>Phe        | tcc<br>Ser<br>50  | tcc<br>Ser        | cag<br>Gln        | ccc<br>Pro        | ggg<br>Gly        | cac<br>His<br>55  | acg<br>Thr        | ccc<br>Pro        | cat<br>His        | cca<br>Pro        | gcc<br>Ala<br>60  | gca<br>Ala        | tcc<br>Ser        | cgc<br>Arg        | gac<br>Asp        | 192 |
| ccg<br>Pro<br>65  | gtc<br>Val        | gcc<br>Ala        | agg<br>Arg        | acc<br>Thr        | tcg<br>Ser<br>70  | ccg<br>Pro        | ctg<br>Leu        | cag<br>Gln        | acc<br>Thr        | ccg<br>Pro<br>75  | gct<br>Ala        | gcc<br>Ala        | ccc<br>Pro        | ggc<br>Gly        | gcc<br>Ala<br>80  | 240 |
| gcc<br>Ala        | gcg<br>Ala        | ggg<br>Gly        | cct<br>Pro        | gcg<br>Ala<br>85  | ctc<br>Leu        | agc<br>Ser        | ccg<br>Pro        | gtg<br>Val        | cca<br>Pro<br>90  | cct<br>Pro        | gtg<br>Val        | gtc<br>Val        | cac<br>His<br>95  | ctg<br>Leu        | gcc<br>Ala        | 288 |
| ctc<br>Leu        | cgc<br>Arg        | caa<br>Gln<br>100 | gcc<br>Ala        | ggc<br>Gly        | gac<br>Asp        | gac<br>Asp        | ttc<br>Phe        | tcc<br>Ser<br>105 | cgc<br>Arg        | cgc<br>Arg        | tac<br>Tyr        | cgc<br>Arg        | ggc<br>Gly<br>110 | gac<br>Asp        | ttc<br>Phe        | 336 |
| gcc<br>Ala        | gag<br>Glu        | atg<br>Met<br>115 | tcc<br>Ser        | agc<br>Ser        | cag<br>Gln        | ctg<br>Leu        | cac<br>His<br>120 | ctg<br>Leu        | acg<br>Thr        | ccc<br>Pro        | ttc<br>Phe<br>125 | acc<br>Thr<br>125 | gcg<br>Ala        | cgg<br>Arg        | gga<br>Gly        | 384 |
| cgc<br>Arg        | ttt<br>Phe<br>130 | gcc<br>Ala        | acg<br>Thr        | gtg<br>Val        | gtg<br>Val        | gag<br>Glu<br>135 | gag<br>Glu        | ctc<br>Leu        | ttc<br>Phe        | agg<br>Arg        | gac<br>Asp<br>140 | ggg<br>Gly        | gtg<br>Val        | aac<br>Asn        | tgg<br>Trp        | 432 |
| ggg<br>Gly<br>145 | agg<br>Arg        | att<br>Ile        | gtg<br>Val        | gcc<br>Ala        | ttc<br>Phe<br>150 | ttt<br>Phe        | gag<br>Glu        | ttc<br>Phe        | ggt<br>Gly        | ggg<br>Gly<br>155 | gtc<br>Val        | atg<br>Met        | tgt<br>Cys        | gtg<br>Val        | gag<br>Glu<br>160 | 480 |
| agc<br>Ser        | gtc<br>Val        | aac<br>Asn        | cgg<br>Arg        | gag<br>Glu<br>165 | atg<br>Met        | tcg<br>Ser        | ccc<br>Pro        | ctg<br>Leu        | gtg<br>Val<br>170 | gac<br>Asp        | aac<br>Asn        | atc<br>Ile        | gcc<br>Ala        | ctg<br>Leu<br>175 | tgg<br>Trp        | 528 |
| atg<br>Met        | act<br>Thr        | gag<br>Glu        | tac<br>Tyr<br>180 | ctg<br>Leu        | aac<br>Asn        | cgg<br>Arg        | cac<br>His        | ctg<br>Leu<br>185 | cac<br>His        | acc<br>Thr        | tgg<br>Trp        | atc<br>Ile<br>190 | cag<br>Gln        | gat<br>Asp        | aac<br>Asn        | 576 |
| gga<br>Gly        | ggc<br>Gly        | tgg<br>Trp<br>195 | gat<br>Asp        | gcc<br>Ala        | ttt<br>Phe        | gtg<br>Val        | gaa<br>Glu<br>200 | ctg<br>Leu        | tac<br>Tyr        | ggc<br>Gly        | ccc<br>Pro        | agc<br>Ser<br>205 | atg<br>Met        | cgg<br>Arg        | cct<br>Pro        | 624 |
| ctg<br>Leu        | ttt<br>Phe<br>210 | gat<br>Asp        | ttc<br>Phe        | tcc<br>Ser        | tgg<br>Trp        | ctg<br>Leu<br>215 | tct<br>Ser        | ctg<br>Leu        | aag<br>Lys        | act<br>Thr        | ctg<br>Leu<br>220 | ctc<br>Leu        | agt<br>Ser        | ttg<br>Leu        | gcc<br>Ala        | 672 |
| ctg<br>Leu<br>225 | gtg<br>Val        | gga<br>Gly        | gct<br>Ala        | tgc<br>Cys<br>230 | atc<br>Ile        | acc<br>Thr        | ctg<br>Leu        | ggt<br>Gly        | gcc<br>Ala        | tat<br>Tyr<br>235 | ctg<br>Leu        | agc<br>Ser        | cac<br>His        | aag<br>Lys        |                   | 717 |

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 <213> Homo Sapiens

<400> 21

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Lys Tyr Ile His Tyr Lys Leu Ser Gln Arg Gly Tyr Glu Trp Asp Ala
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Gly Asp Val Gly Ala Ala Pro Pro Gly Ala Ala Pro Ala Pro Gly Ile
35     40     45
Phe Ser Ser Gln Pro Gly His Thr Pro His Pro Ala Ala Ser Arg Asp
50     55     60
Pro Val Ala Arg Thr Ser Pro Leu Gln Thr Pro Ala Ala Pro Gly Ala
65     70     75     80
Ala Ala Gly Pro Ala Leu Ser Pro Val Pro Pro Val Val His Leu Ala
85     90     95
Leu Arg Gln Ala Gly Asp Asp Phe Ser Arg Arg Tyr Arg Gly Asp Phe
100    105    110
Ala Glu Met Ser Ser Gln Leu His Leu Thr Pro Phe Thr Ala Arg Gly
115    120    125
Arg Phe Ala Thr Val Val Glu Glu Leu Phe Arg Asp Gly Val Asn Trp
130    135    140
Gly Arg Ile Val Ala Phe Phe Glu Phe Gly Gly Val Met Cys Val Glu
145    150    155    160
Ser Val Asn Arg Glu Met Ser Pro Leu Val Asp Asn Ile Ala Leu Trp
165    170    175
Met Thr Glu Tyr Leu Asn Arg His Leu His Thr Trp Ile Gln Asp Asn
180    185    190
Gly Gly Trp Asp Ala Phe Val Glu Leu Tyr Gly Pro Ser Met Arg Pro
195    200    205
Leu Phe Asp Phe Ser Trp Leu Ser Leu Lys Thr Leu Leu Ser Leu Ala
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Leu Val Gly Ala Cys Ile Thr Leu Gly Ala Tyr Leu Ser His Lys
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1      5      10      15

aag tac atc cat tat aag ctg tcg cag agg ggc tac gag tgg gat gcg      96
Lys Tyr Ile His Tyr Lys Leu Ser Gln Arg Gly Tyr Glu Trp Asp Ala
20     25     30

gga gat gtg ggc gcc gcg ccc ccg ggg gcc gcc ccc gca ccg ggc atc      144
Gly Asp Val Gly Ala Ala Pro Pro Gly Ala Ala Pro Ala Pro Gly Ile
35     40     45

ttc tcc tcc cag ccc ggg cac acg ccc cat cca gcc gca tcc cgc gac      192
Phe Ser Ser Gln Pro Gly His Thr Pro His Pro Ala Ala Ser Arg Asp
50     55     60

```



|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| 145 |     | 150 |     | 155 |     | 160 |
| Ser | Val | Asn | Arg | Glu | Met | Trp |
|     |     | 165 |     | 170 |     | 175 |
| Met | Thr | Glu | Tyr | Leu | Asn | Arg |
|     |     | 180 |     | 185 |     | 190 |
| Gly | Gly | Trp | Val | Gly | Ala | Ser |
|     |     | 195 |     | 200 |     | 205 |

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